

Analytical Data Sheet

Lot number **1000007228**
not for drug use

Catalog number **B-4175.1000**
Product number **4072316.1000**
Product **Fmoc- (Dmb) Ala- OH**
Molecular formula $C_{27}H_{27}NO_6$
Relative molecular mass 461.51

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetone) clear, colorless solution (0.5mmol in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.9% (TFA)
Related impurities (HPLC)	not det. Fmoc-Ala-OH not det. Fmoc- β -Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-(Dmb)Ala-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.1% D-enantiomer
Assay (titration)	95.1% (TBAH)
Water content (KF volumetric)	0.4%
Acetic acid content (IC)	0.003%

Latest update: November 05, 2018

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